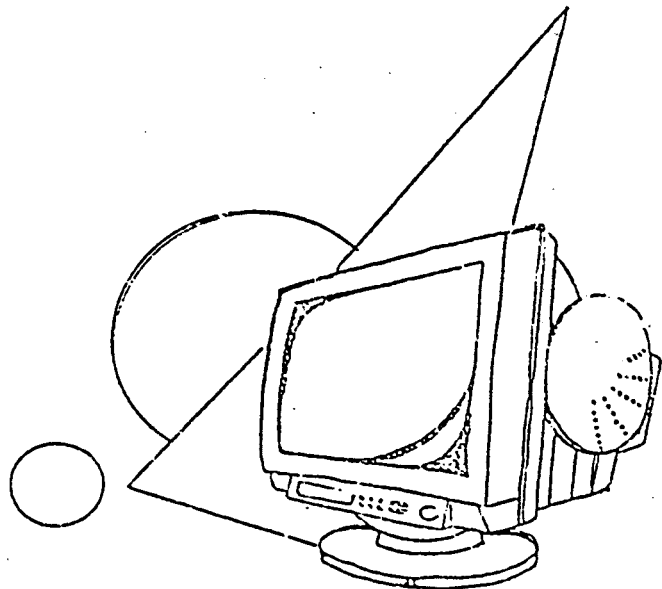


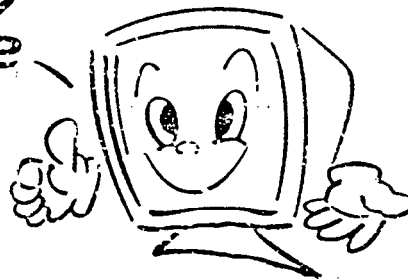
ESMILE
GIVE ME A SMILE

Service Manual

CA-1505
CA-1506



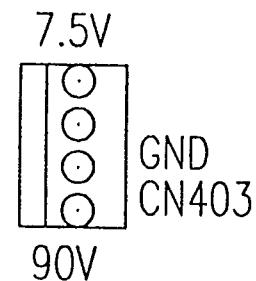
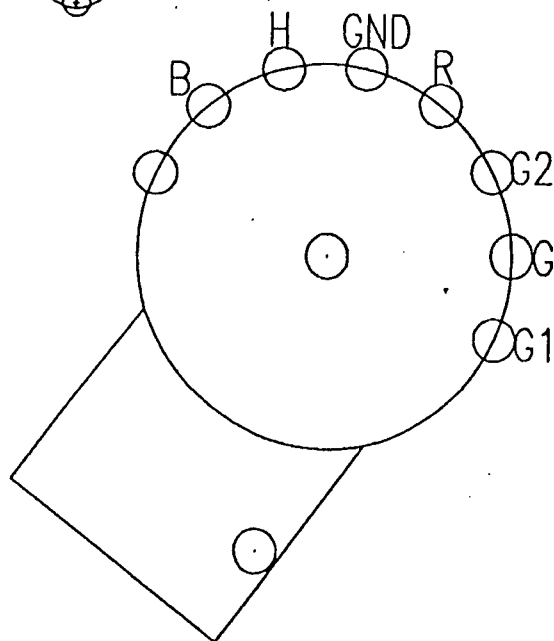
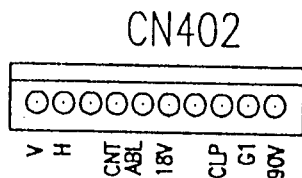
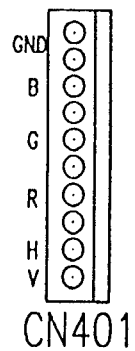
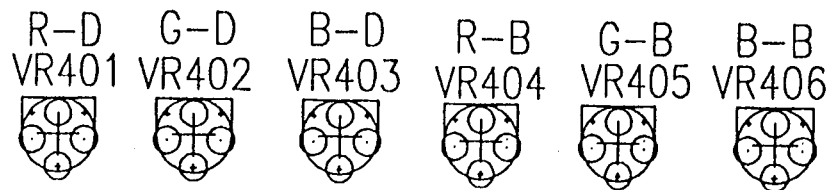
*Give me a
Smile*



SMILE TECHNOLOGIES GMBH
Otto-Brenner-StreBe 10 D-47877 Willich
Tel: 490-2154-9280 Fax: 490-2154-1032

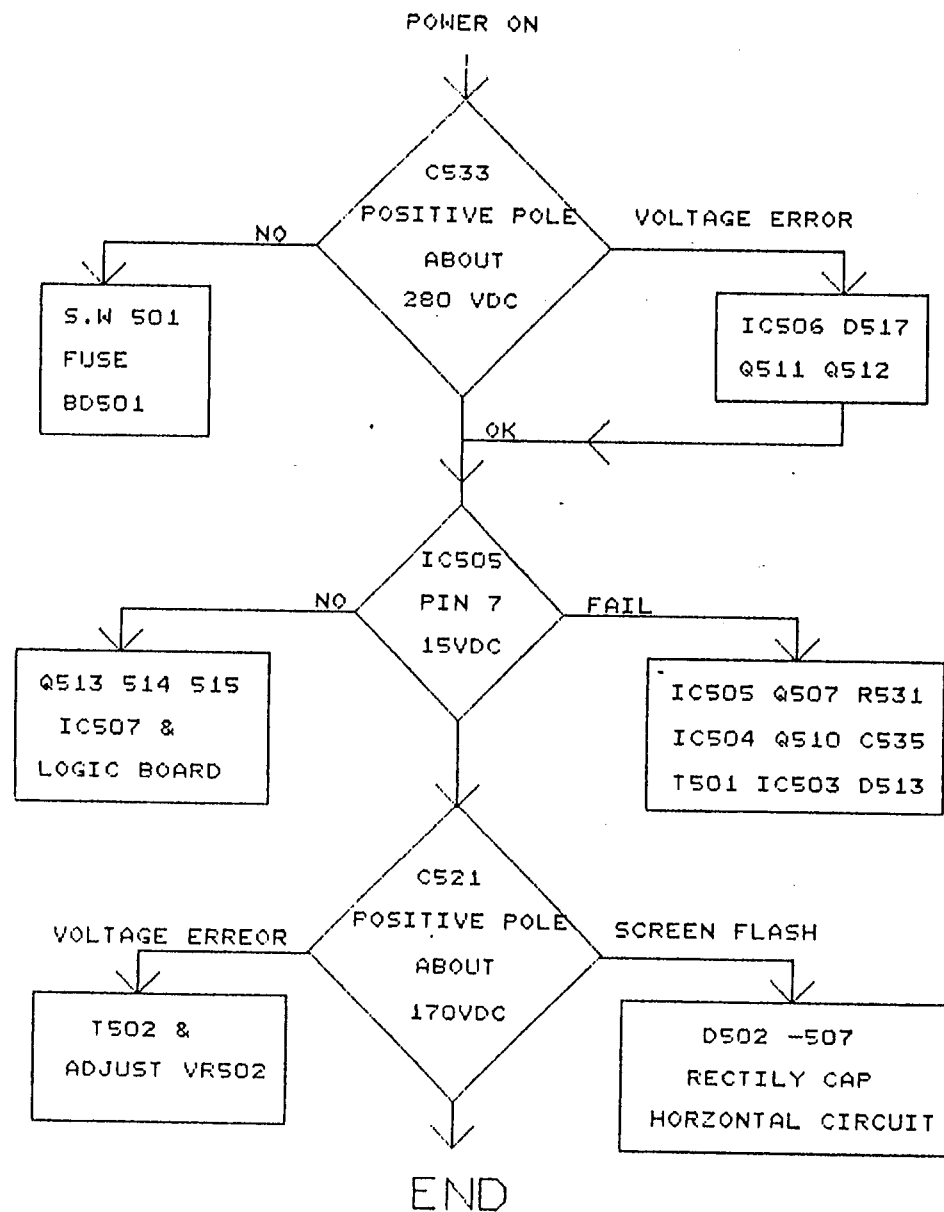
CA-1505.1506.1507.1508

CRT BOARD VR LOCATION



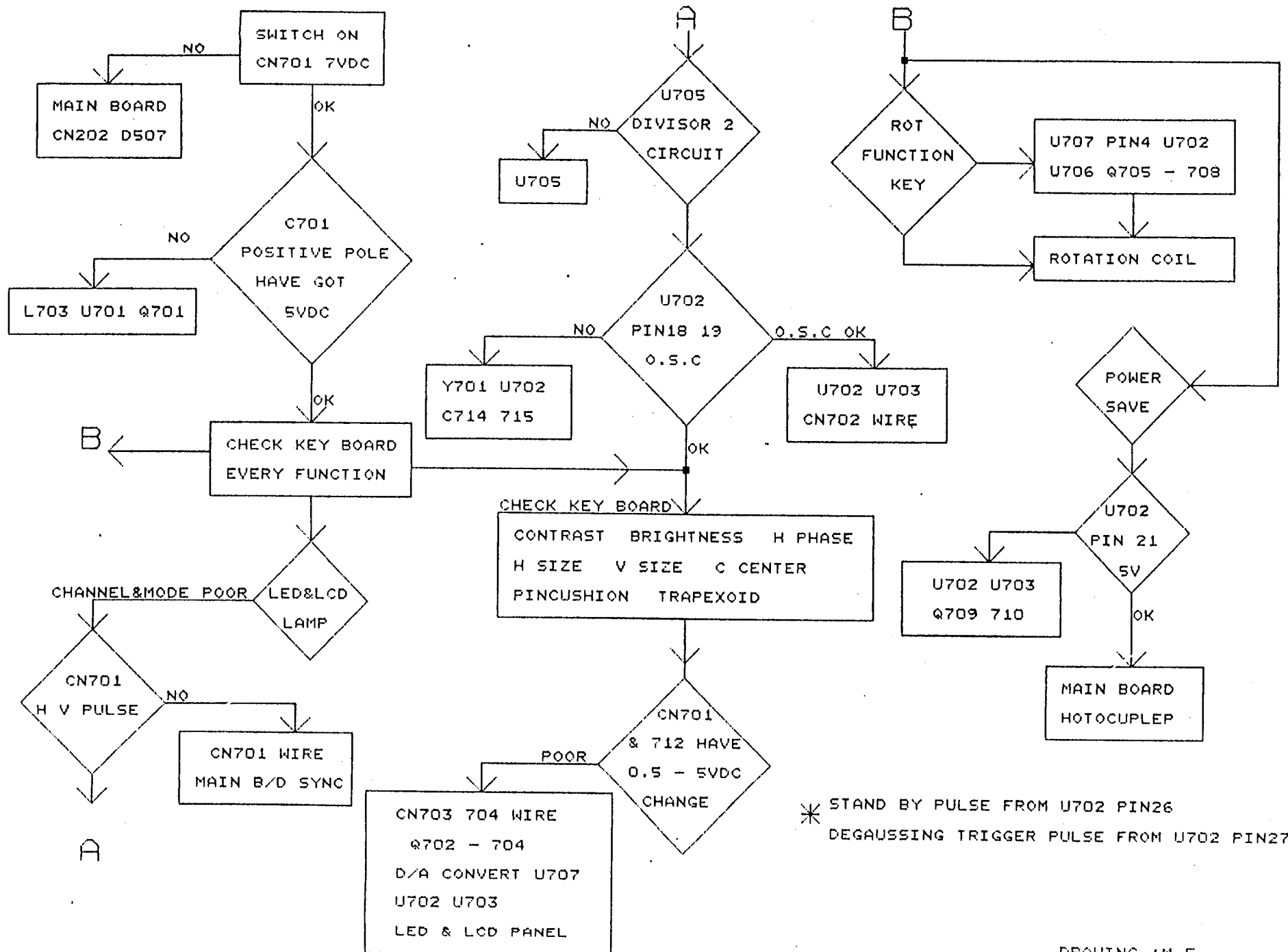
POWER CIRCUIT FLOW CHART

SHEET 1



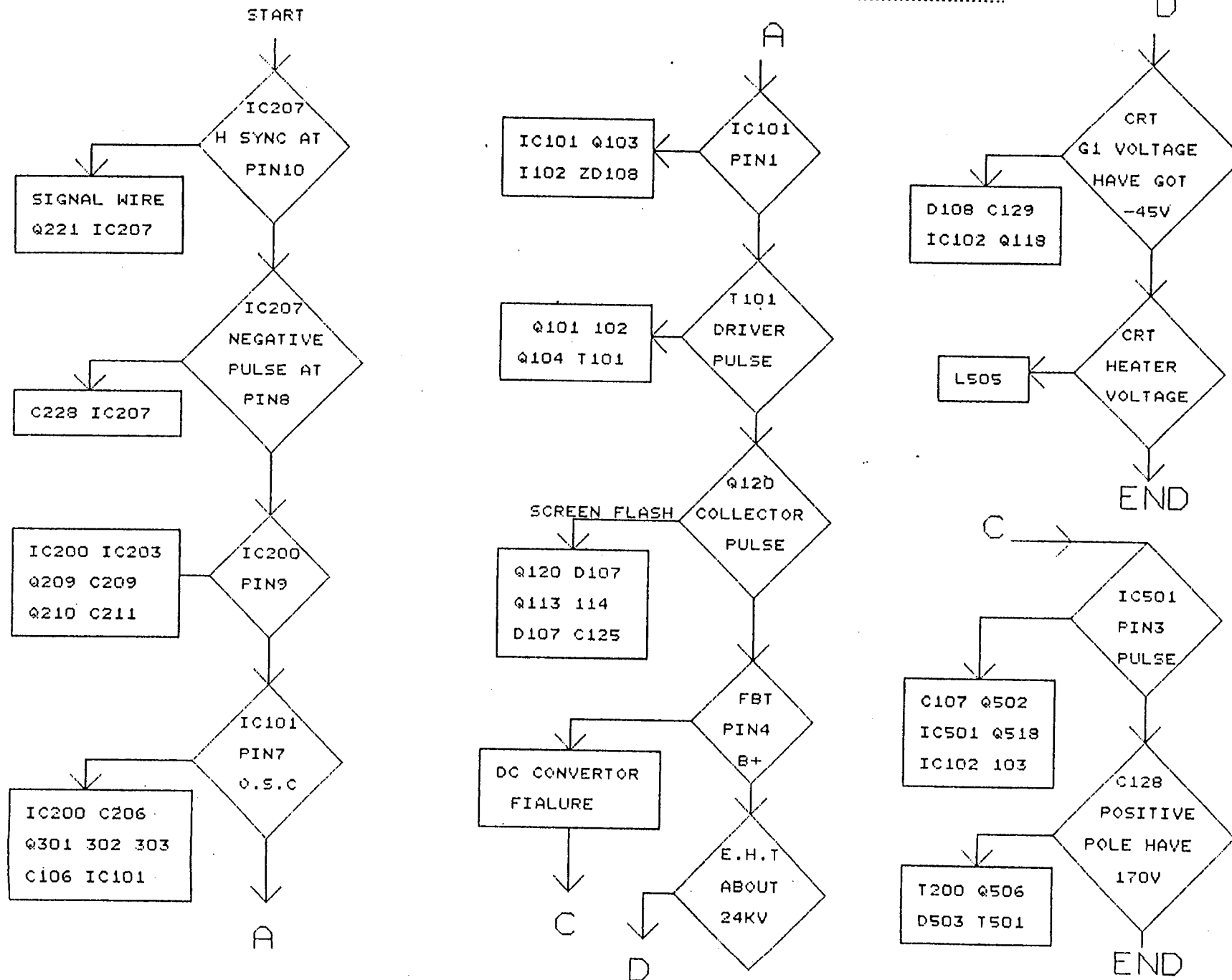
LOGIC BOARD & KEY BOARD FLOW CHART

SHEET 2



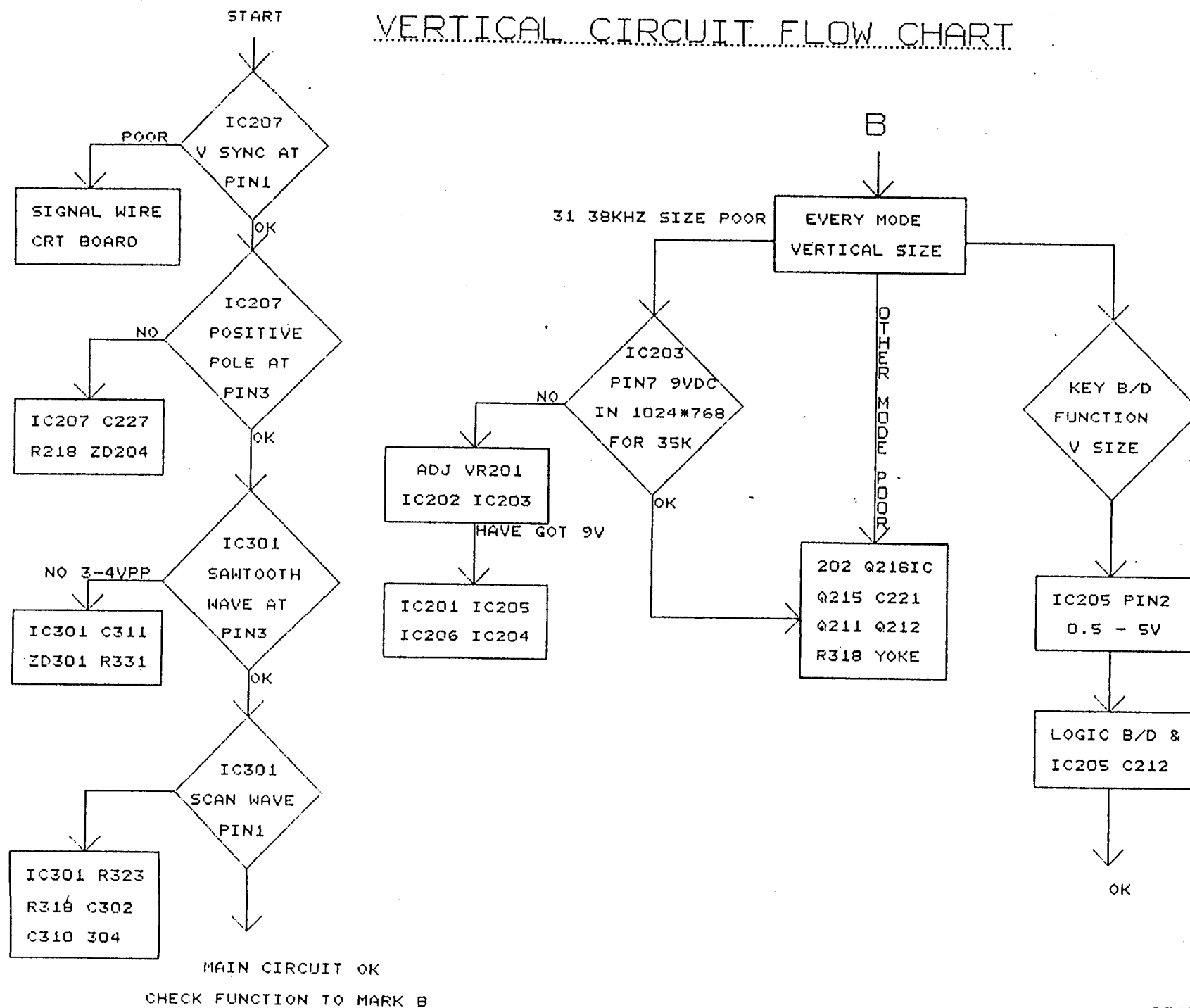
HORIZONTAL CIRCUIT FLOW CHART

SHEET 3



VERTICAL CIRCUIT FLOW CHART

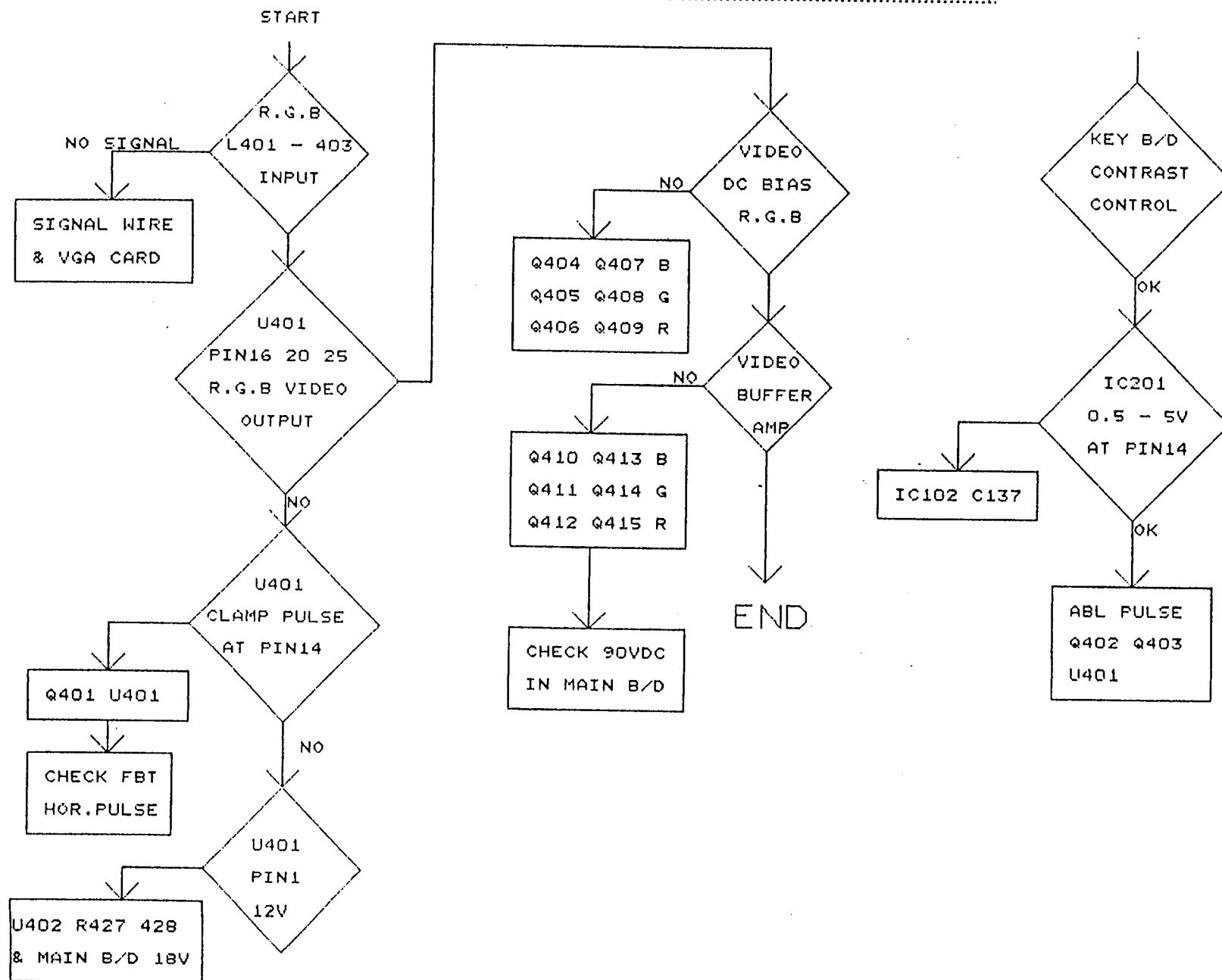
SHEET 4



DRAWING :M.E

VIDEO CIRCUIT FLOW CHART

SHEET 5

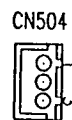
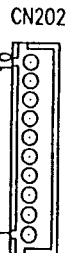
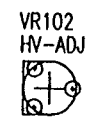
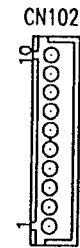
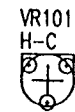
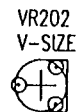
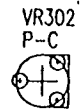
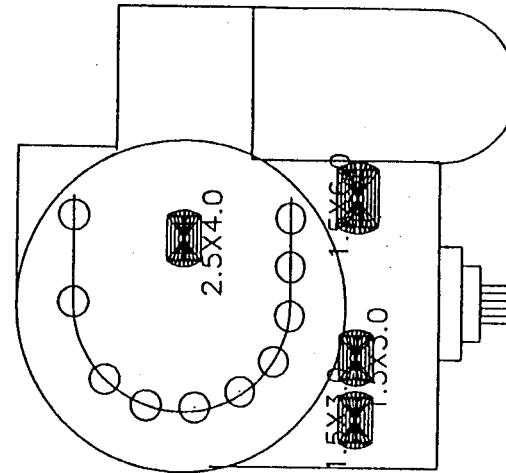


SPEC. NO.	SHEET	OF SHEETS
CA-1505	3	3

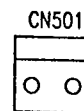
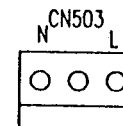
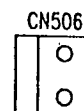
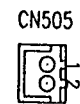
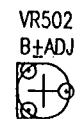
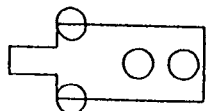
B. VR ADJUSTMENT:

- a) VR 502 is for adjust 170 VDC use.
- b) VR 102 is for adjust Horizontal voltage to 67 VDC the frequency use 31 KHZ.
- c) VR 101 is for adjust Horizontal phase.
- d) VR 201 is for adjust 9 VDC use 35 KHZ 1024x768 mode.
- e) VR 301 is for adjust Horizontal hold.
- *Should be adjust at NON-Horizontal synchronize.
- f) VR 202 is for adjust sub Vertical-Size.
- g) VR 302 is for adjust side pin.
- h) VR 304 is for adjust trapezoid.
- i) VR 305 is for adjust Vertical linearity.
- j) VR 303 is for adjust Horizontal size.

T102



SW501



SCOPE: CA-1505 SERIES IS A MUTLI-SCAN MONITOR

USE 15" CRT DOT PICTCH 0.28m/m

INPUT OPERATING RANGE SHOULD BE AS FOLLOWS.

1. POWER INPUT : Ac power input range from 100VAC to 250VAC maximum current is 3.15A.

2. SIGNAL INPUT: a) Horizontal input: TTL signal ,input current should be $\geq 5\text{mA}$, frequently range from 31 KHZ to 64 KHZ

b) Vertical input: TTL signal, input current should be $\geq 5\text{mA}$, frequency range from 50 HZ to 90 HZ.

c) Video input: R.G.B. Analog signal, input voltage 0.7vpp input resistance 75 OHM.

3. THE TEST AND ADJUSTMENT:

A. SMPS OUTPUT:

a) D508 output voltage is 170 VDC the current is 0.5A.

This is major to provide for voltage adjust and DC detector use.

b) D504 output voltage is 90 VDC the current is 0.1A.

This is to provide video output use.

c) D505 output voltage is 24 VDC the current is 0.25A.

This is to provide Vertical use.

d) D506 output voltage is 18 VDC the current is 0.6A.

This is to provide IC 502 to make 15 VDC for video and general control circuit use.

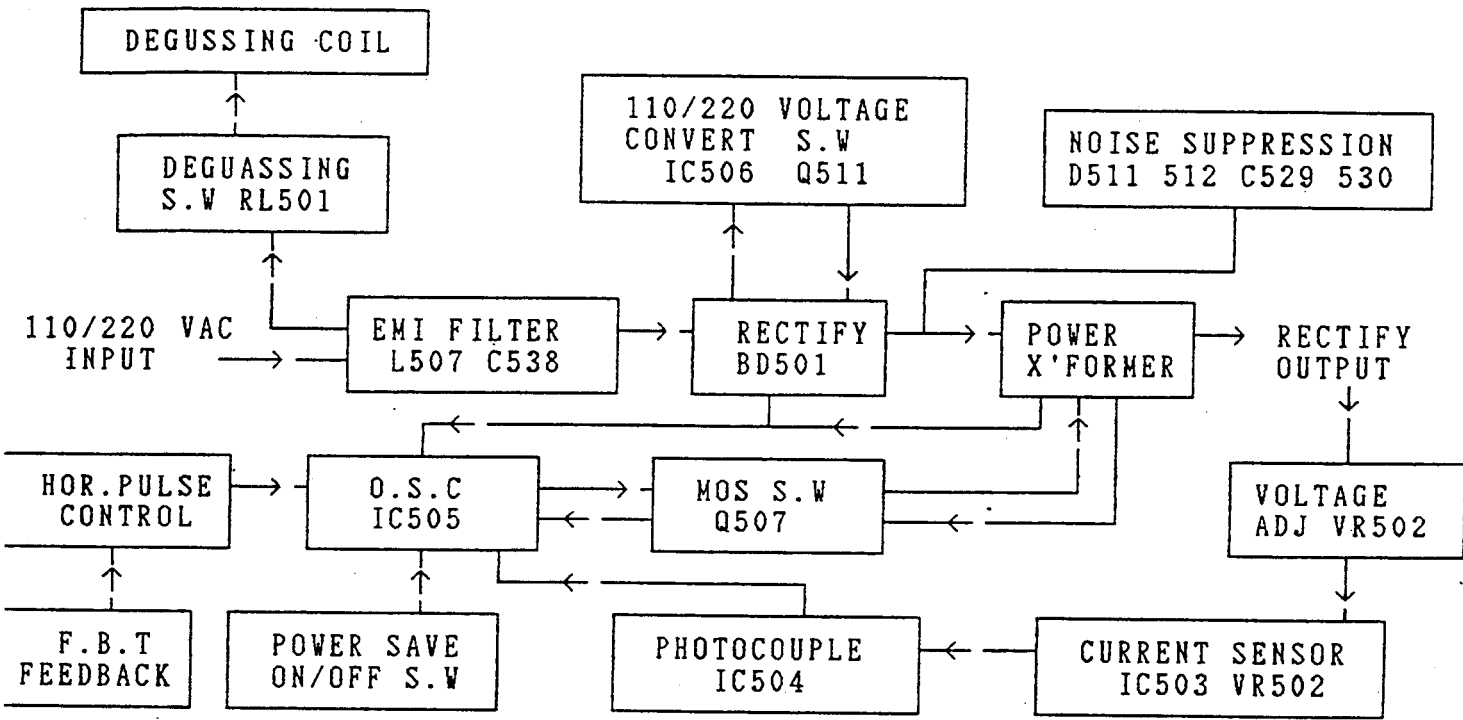
e) D507 output voltage is 7VDC the current is 0.3A.

This is to provide crt heater and digital control use.

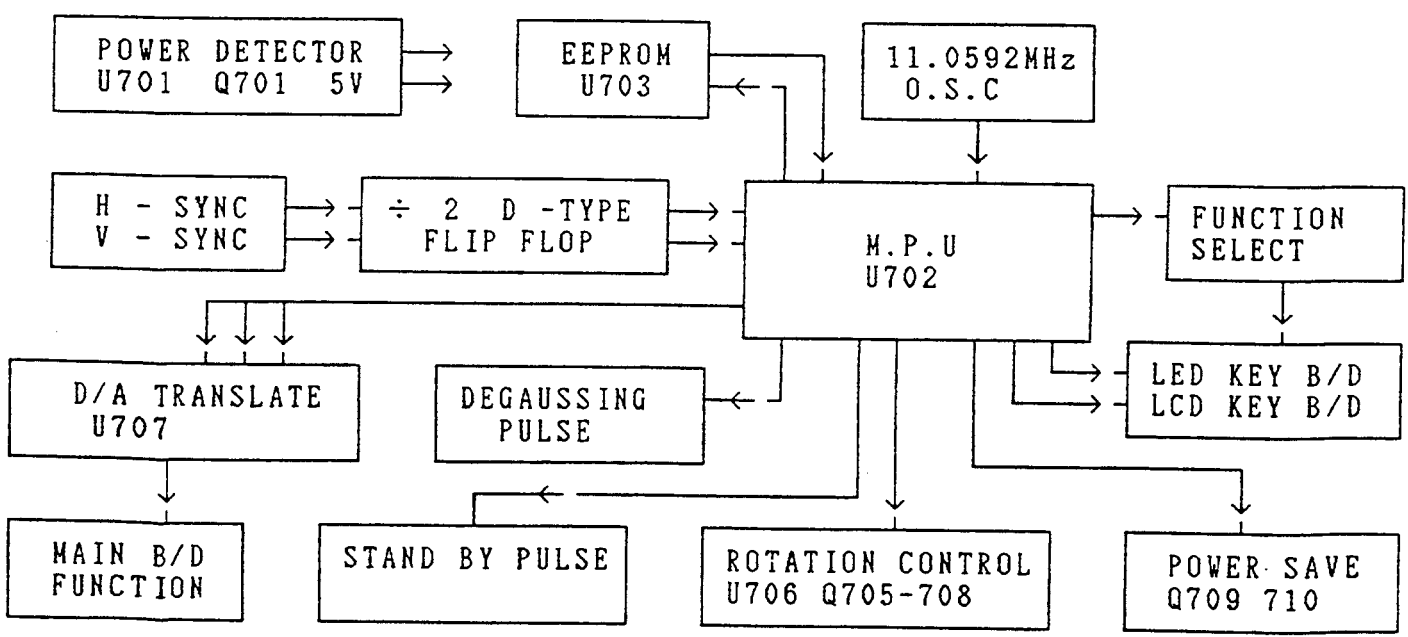
SPEC. NO. CA-1505	SHEET 1	OF SHEETS 3
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SERVICE MANUAL
FOR
15" MULTI SCAN COLOR MONITOR
CA-1505 SERIES

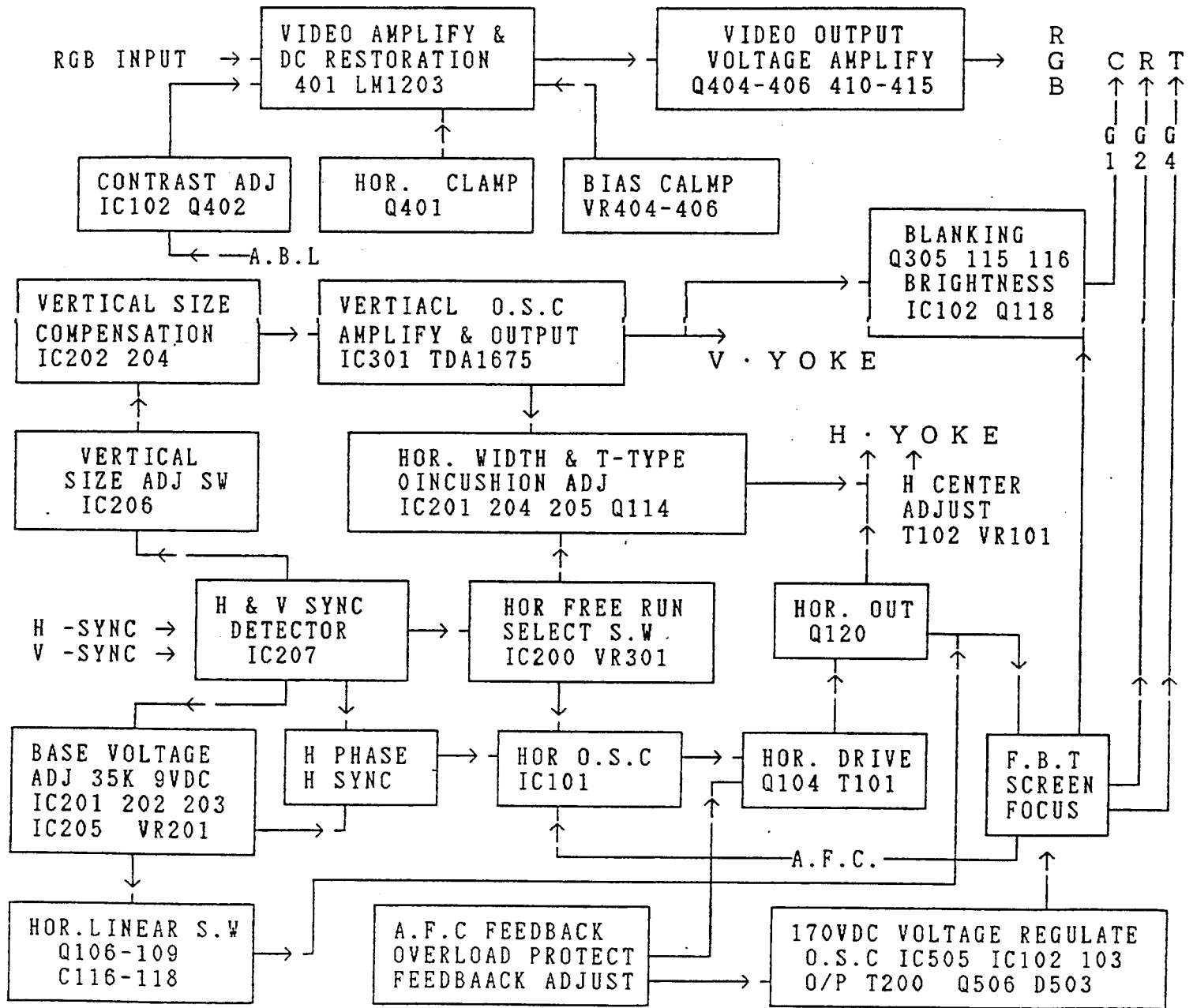
5. POWER SUPPLY DIAGRAM



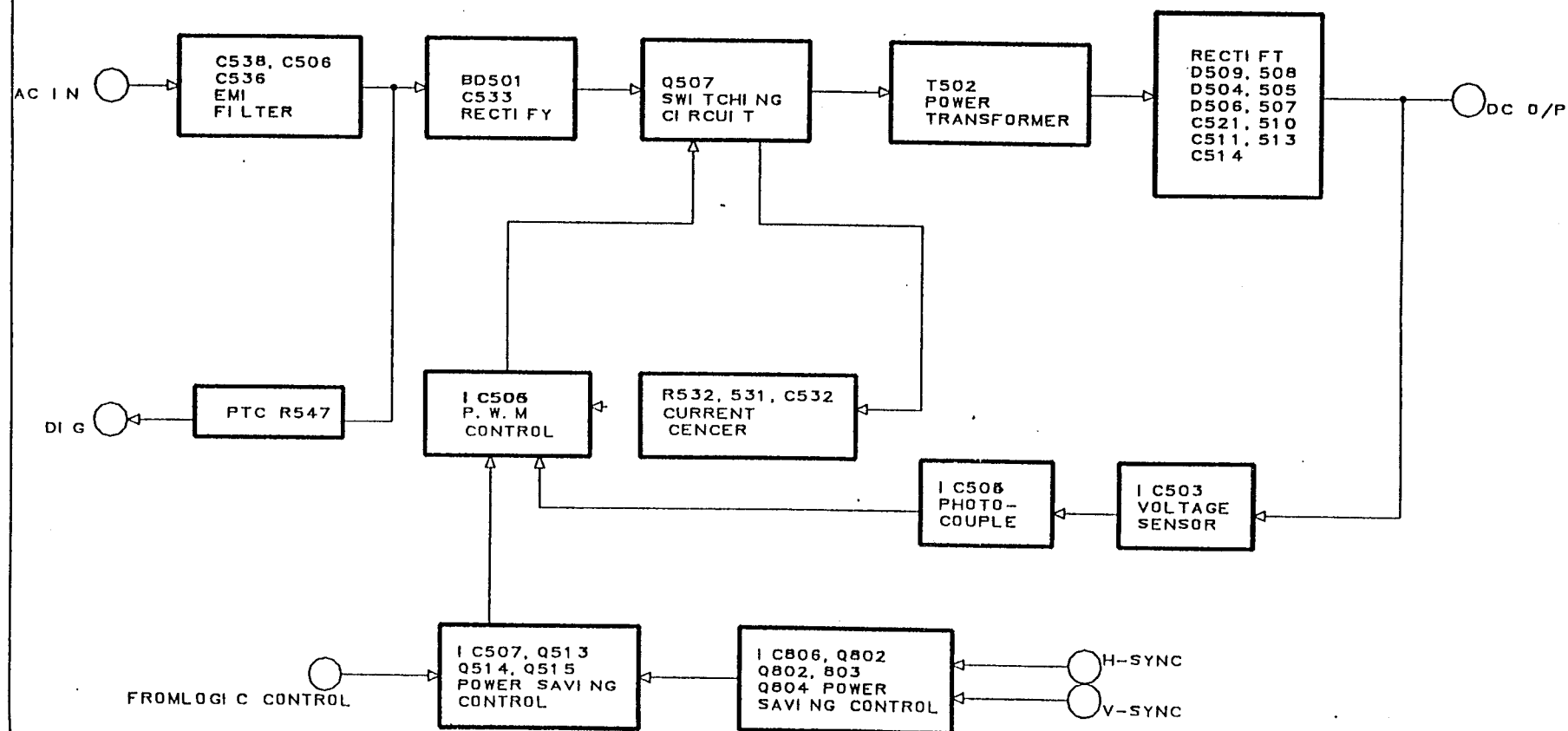
6. LOGIC BOARD DIAGRAM :



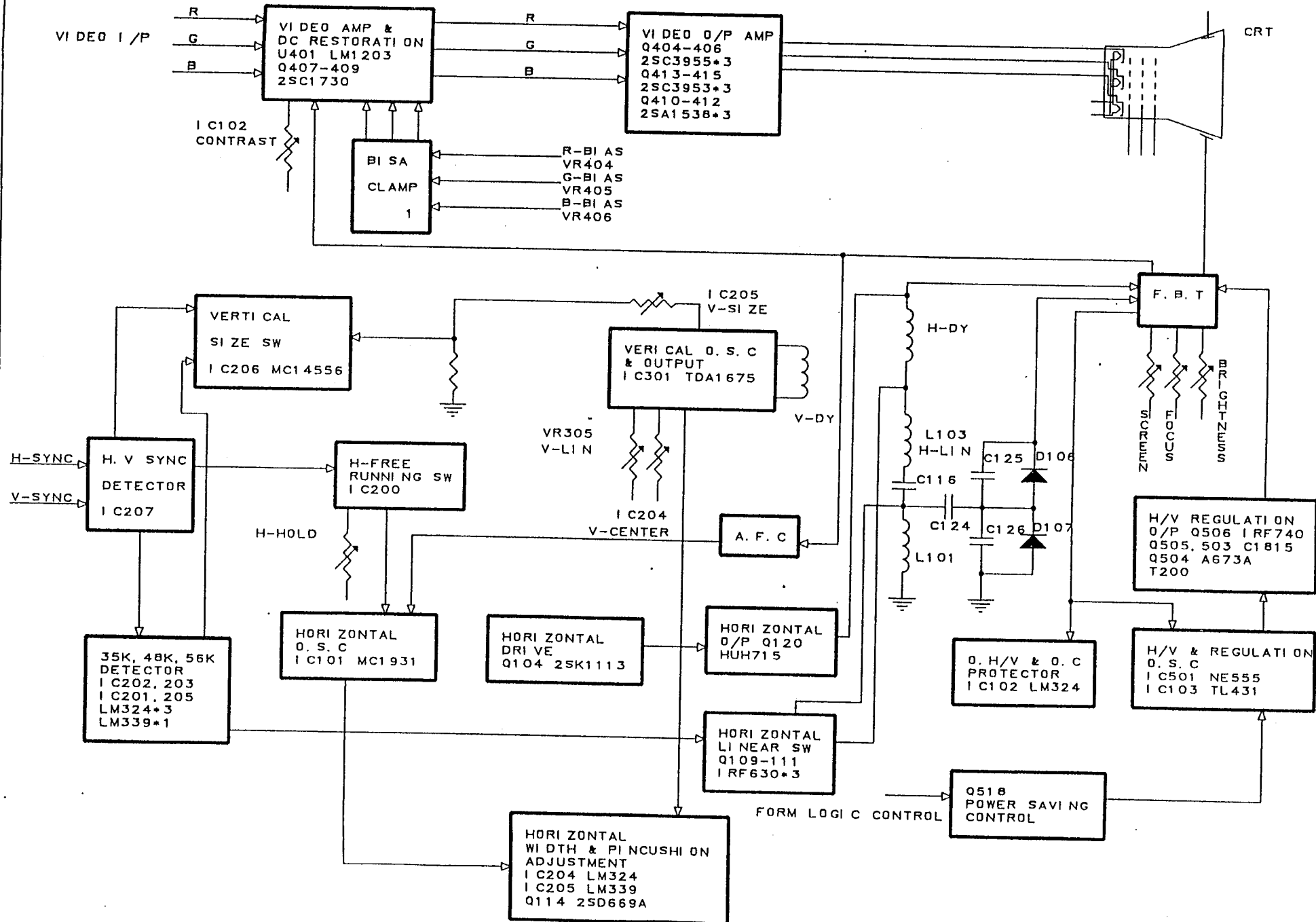
Λ .CIRCUIT DIAGRAM :



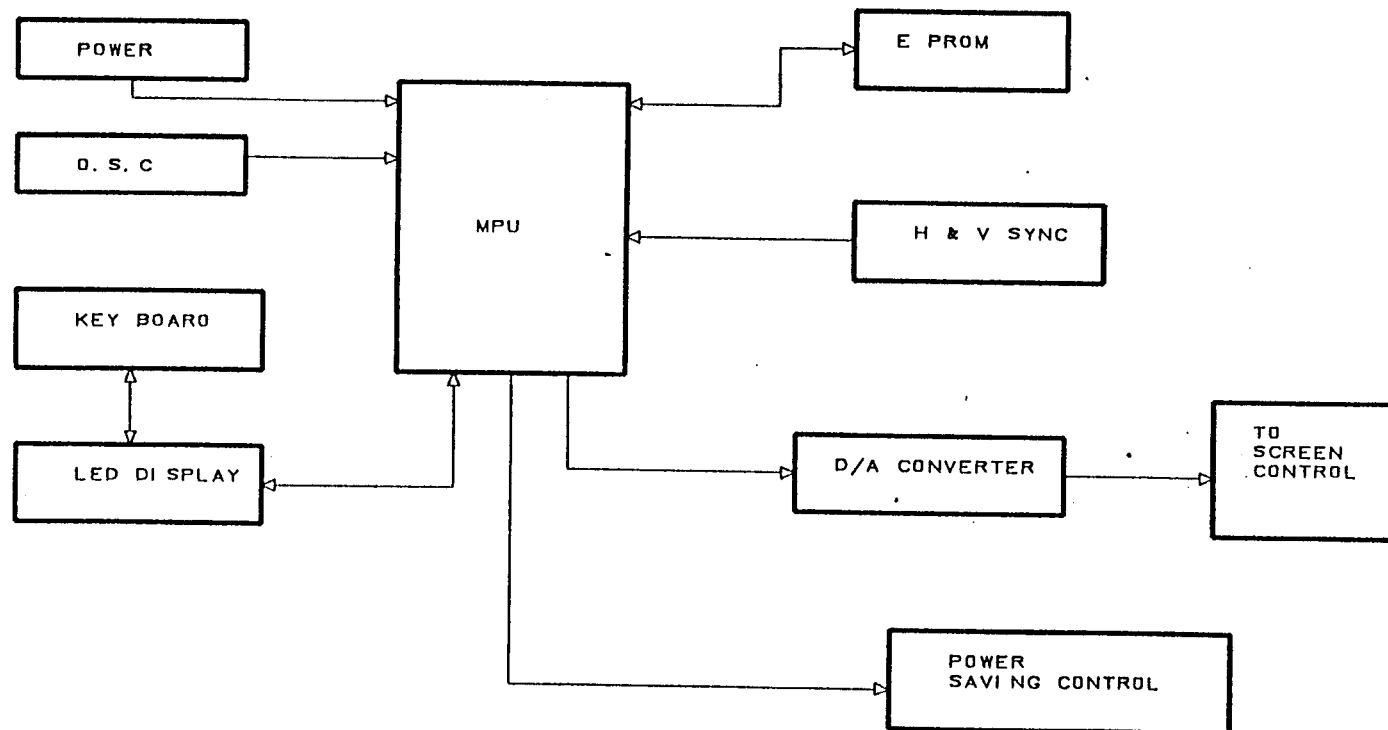
CA-1505/06 POWER DI AGRAM



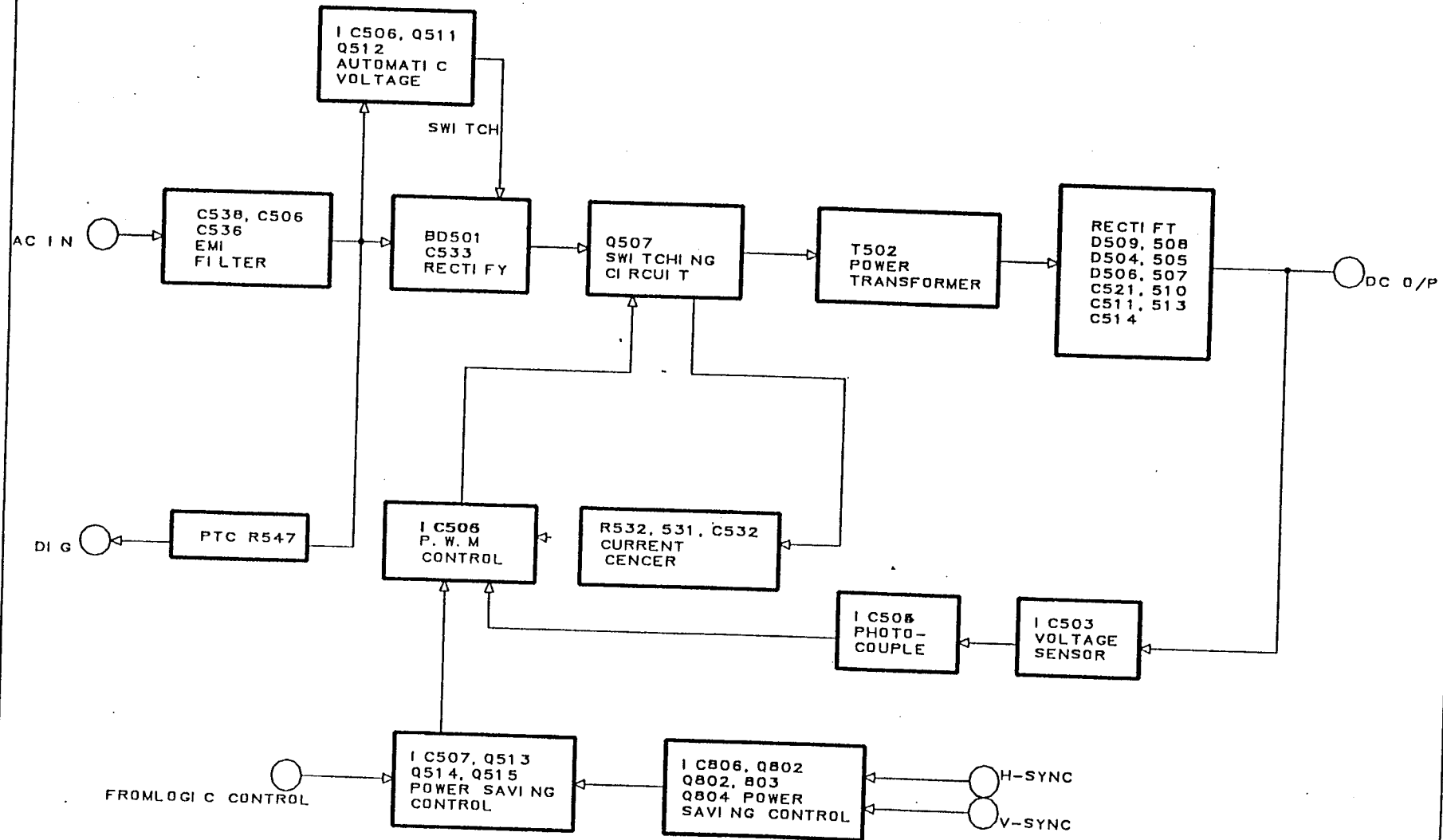
CA-1505/1506/1507/1508 MAIN BD DIAGRAM



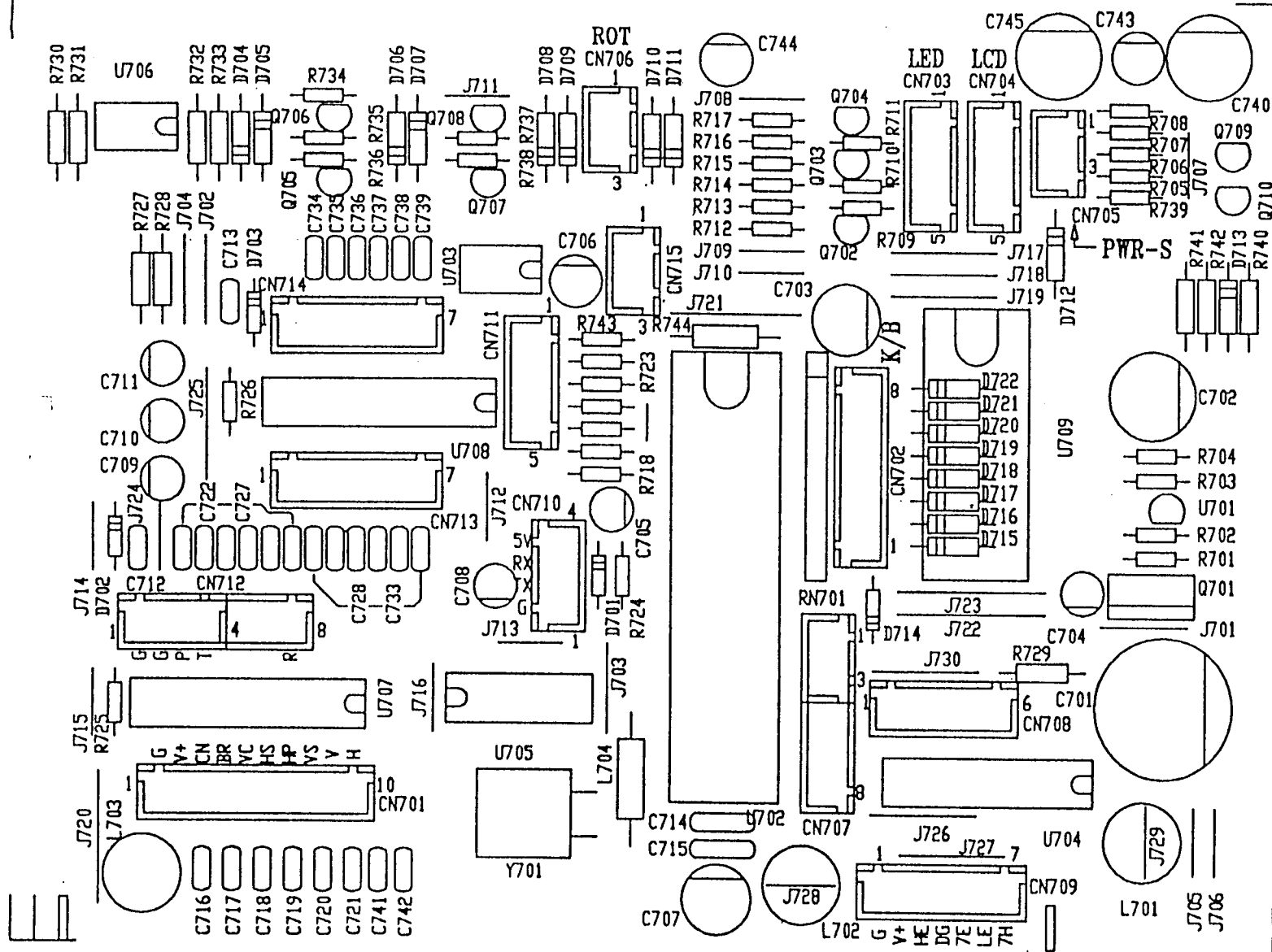
CA-1505/07, CA-1717/19(LED) LOGIC CONTROL BD DIAGRAM



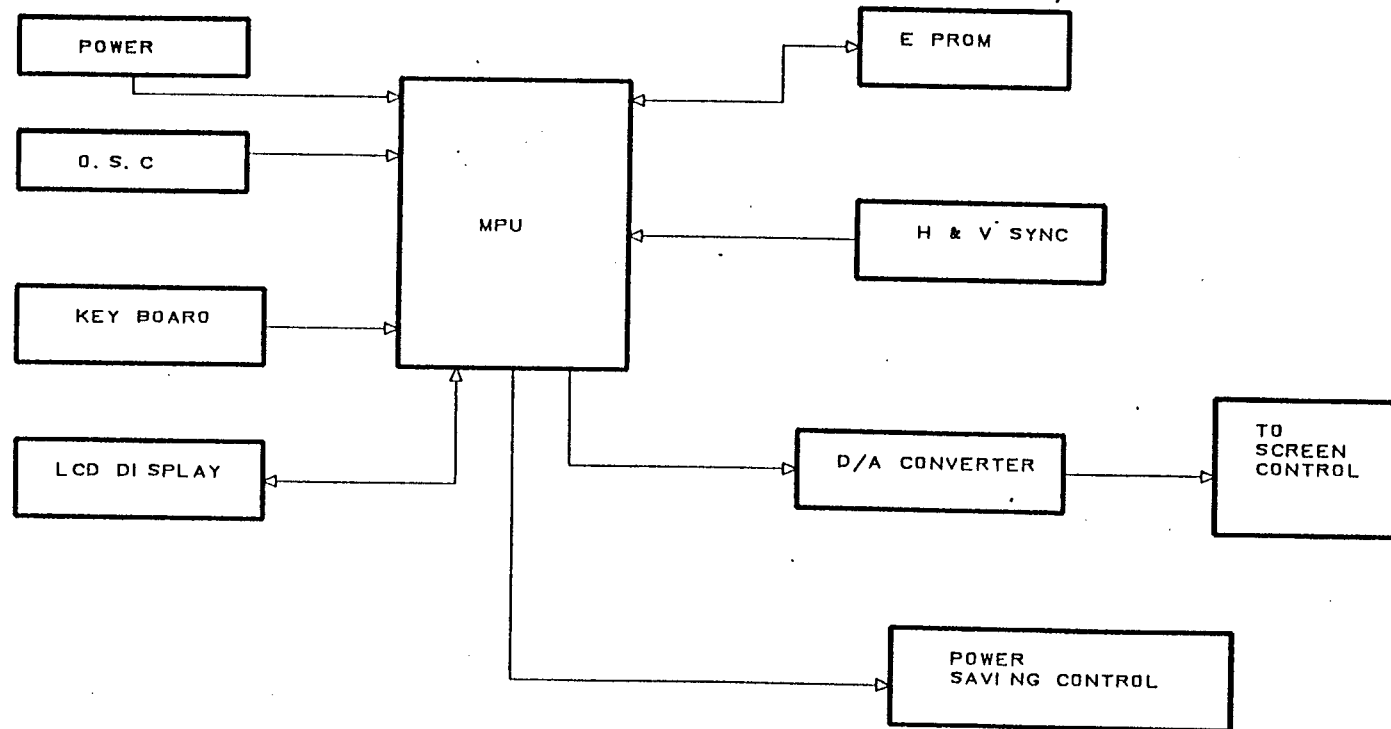
CA-1507/08 POWER DI AGRAM



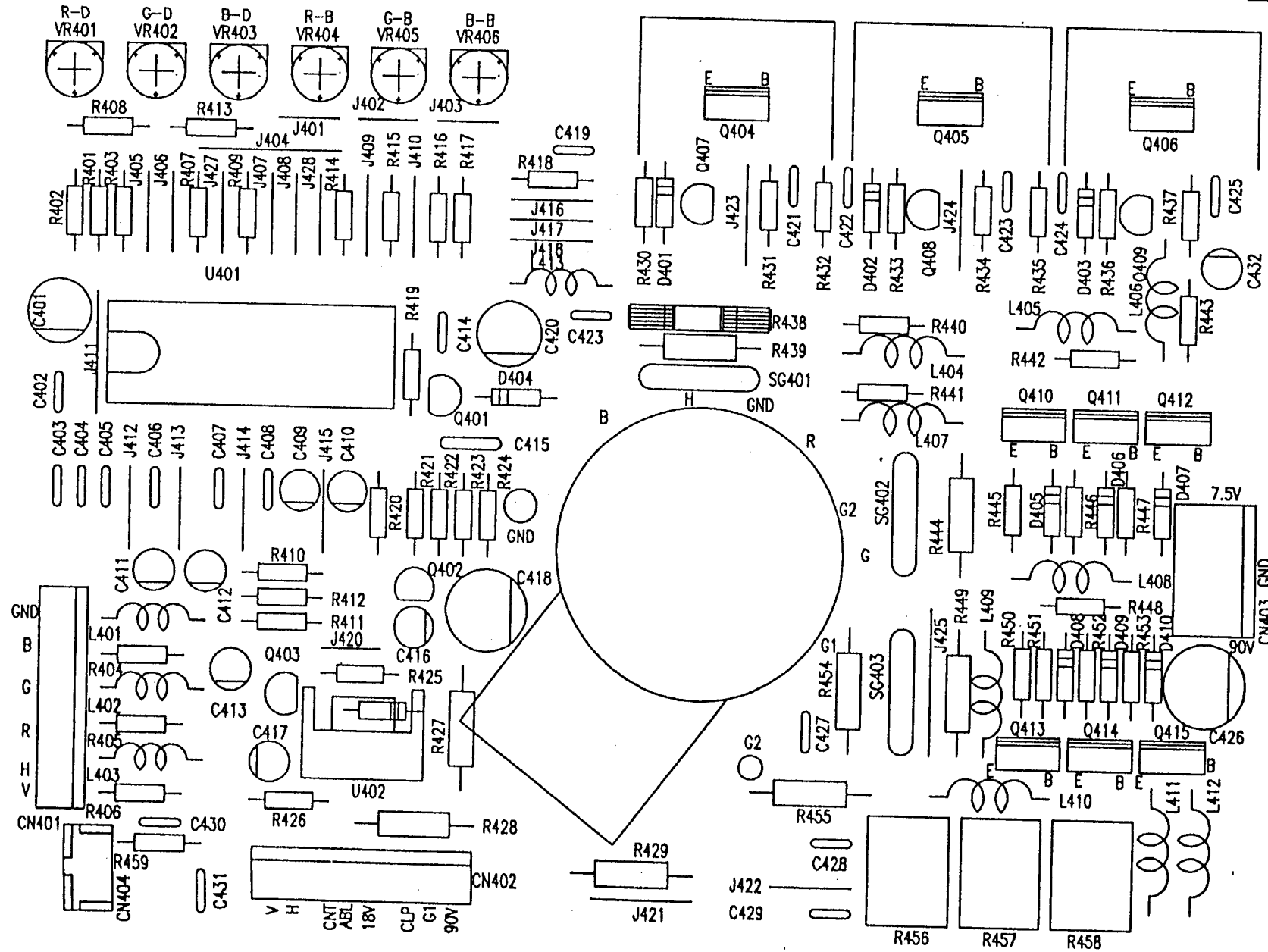
CA-1505.1506.1507.1508.1717.1718.1719.1710 L/G BD

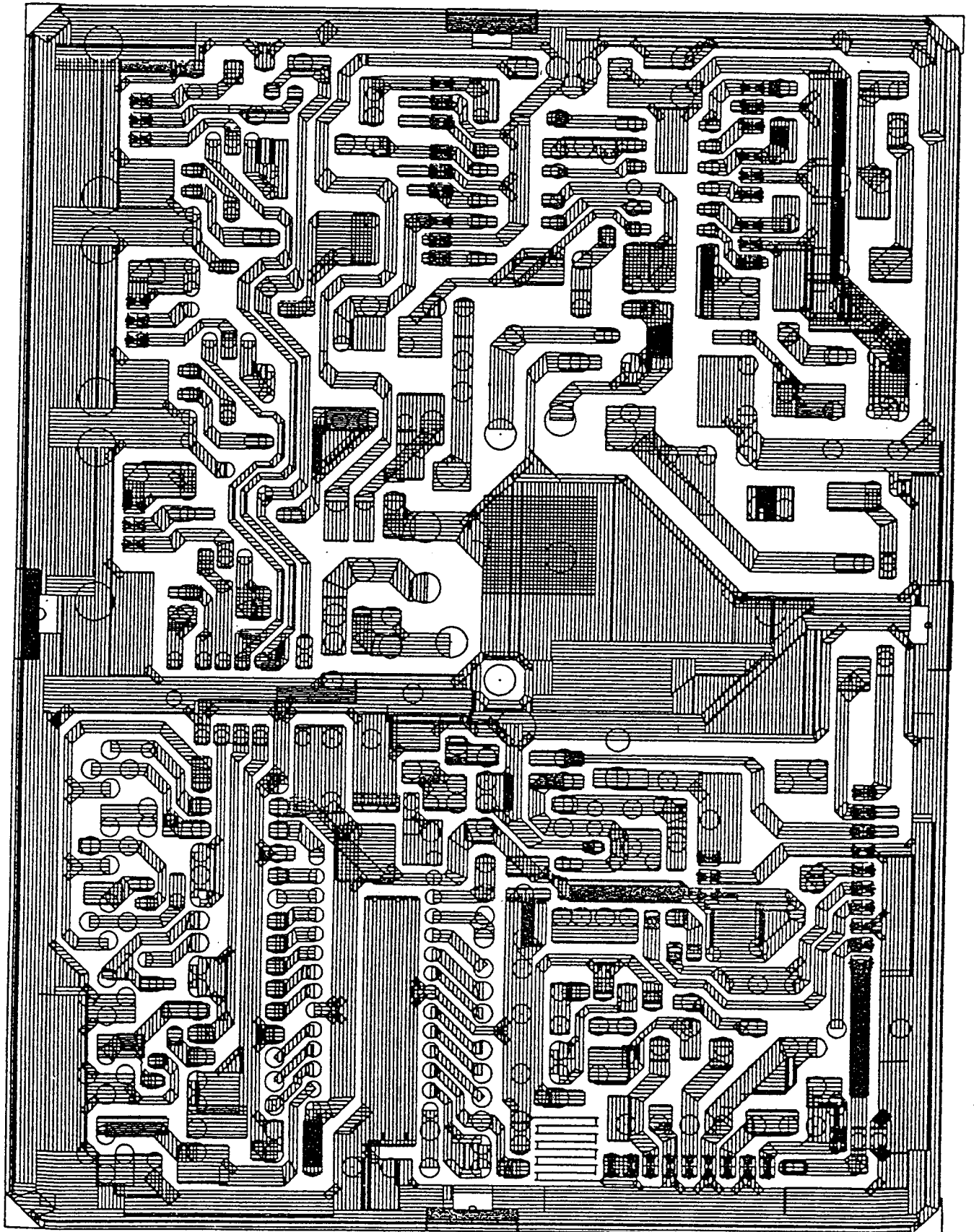


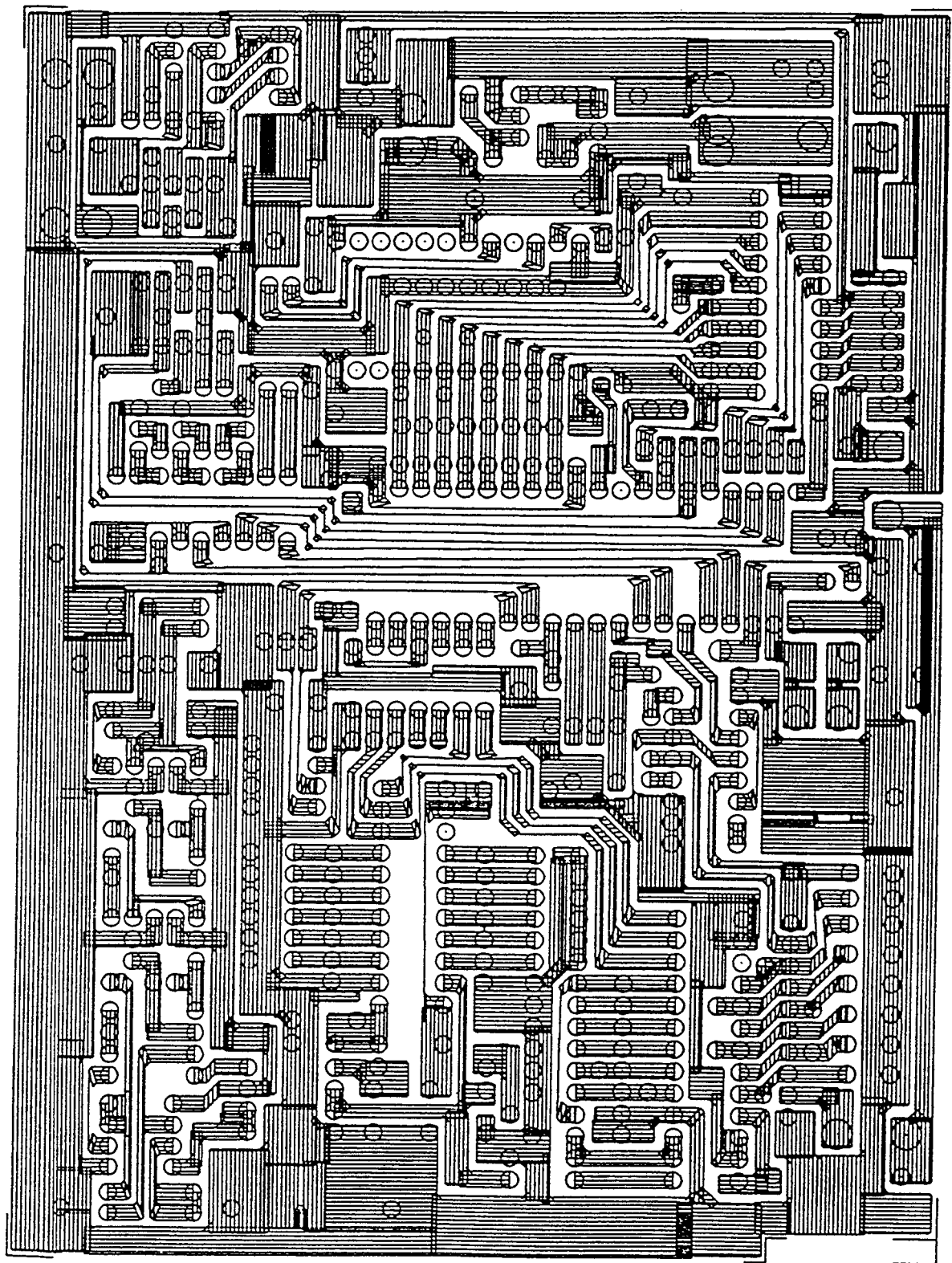
CA1506, CA-1508, CA-1710, CA1718(LCD) LOGIC CONTROL BLOCK DIAGRAM



CA-1505.1506.1507.1508 CRT BD

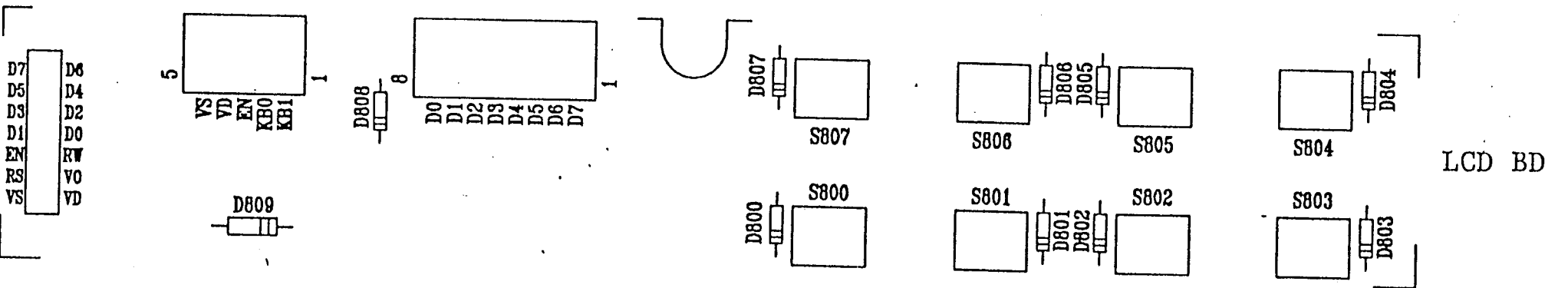
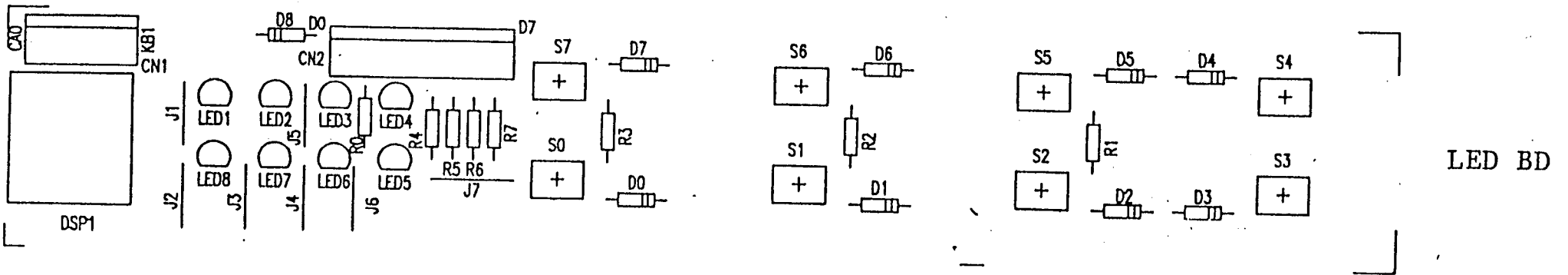
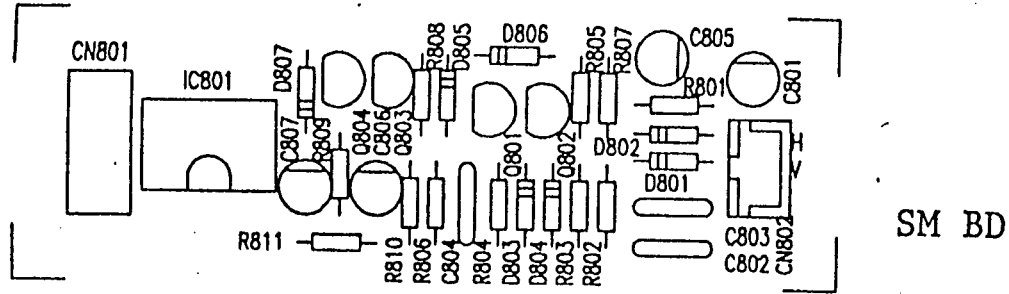


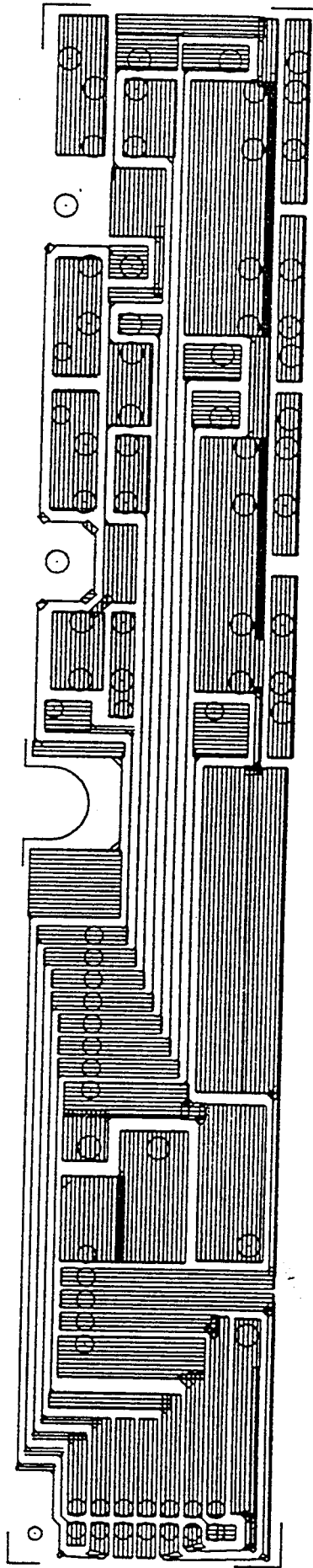
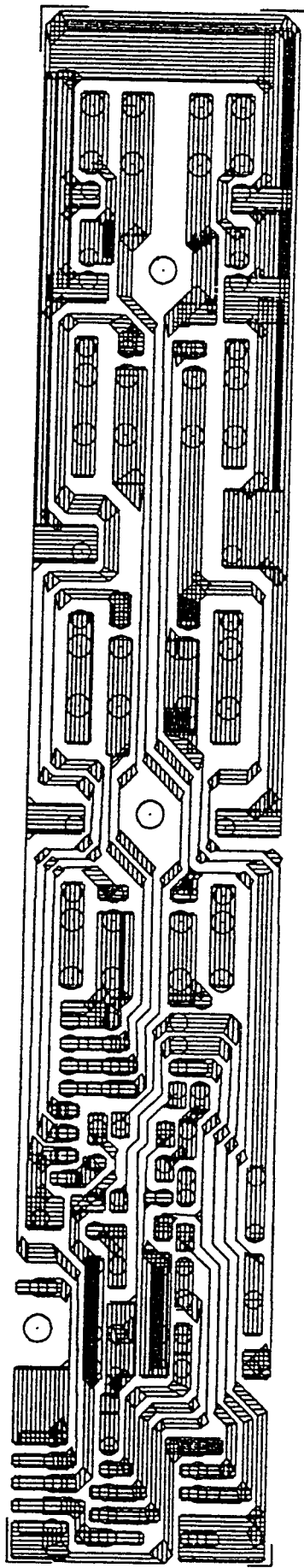
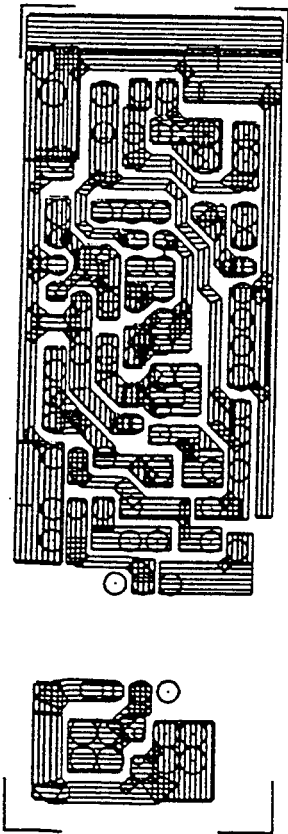


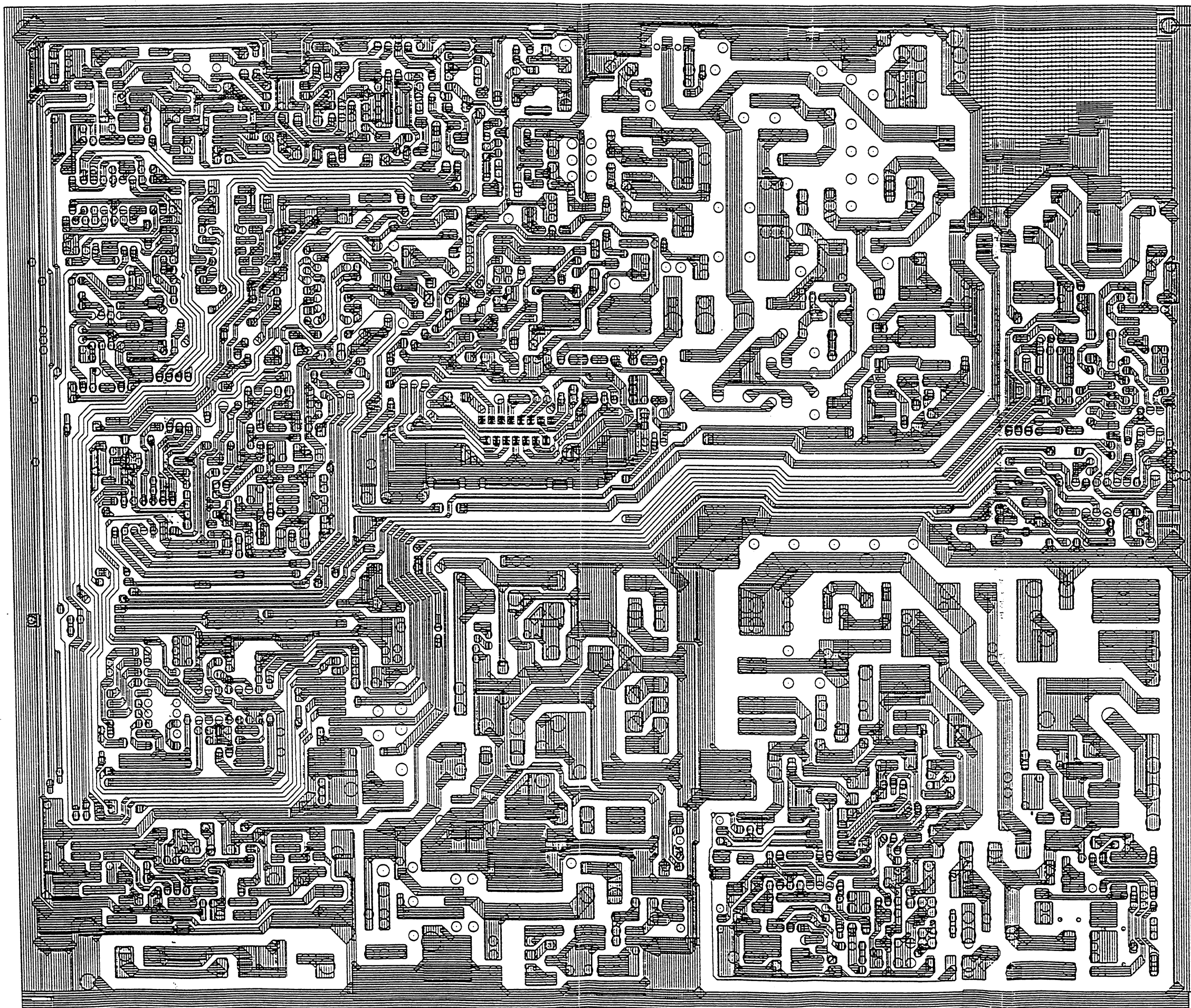


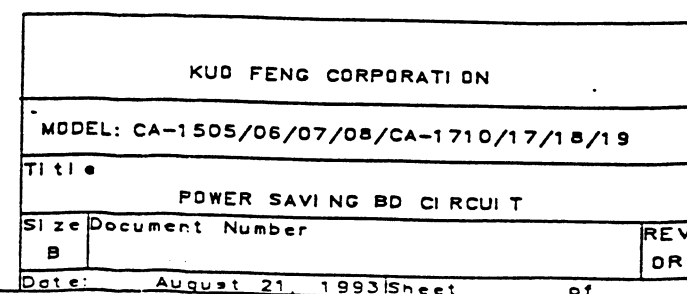
CA-1505.1506.1507.1508.1717.1718.1719.1710 K/B BD (LED) (LCD)

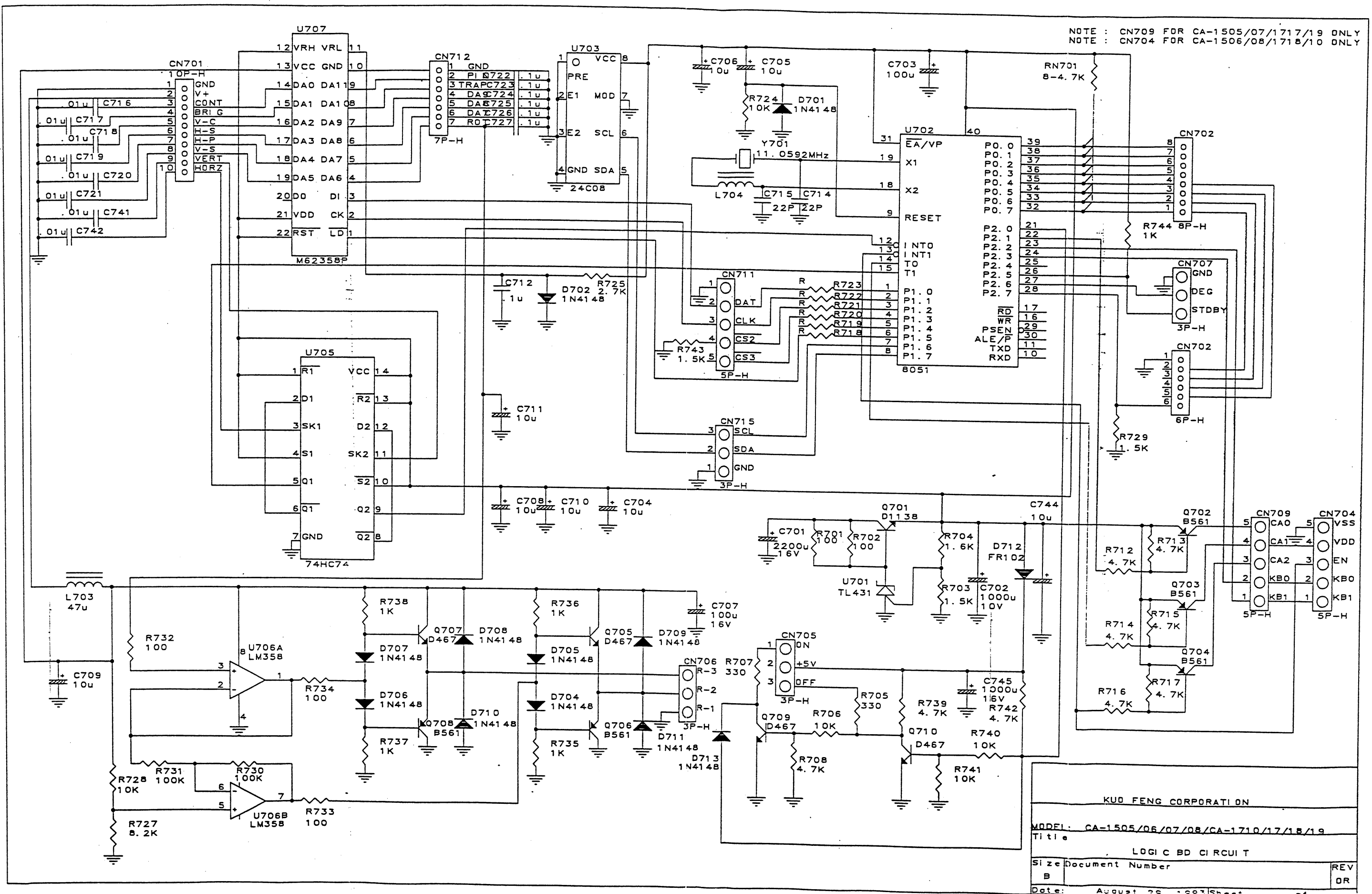
SM BD







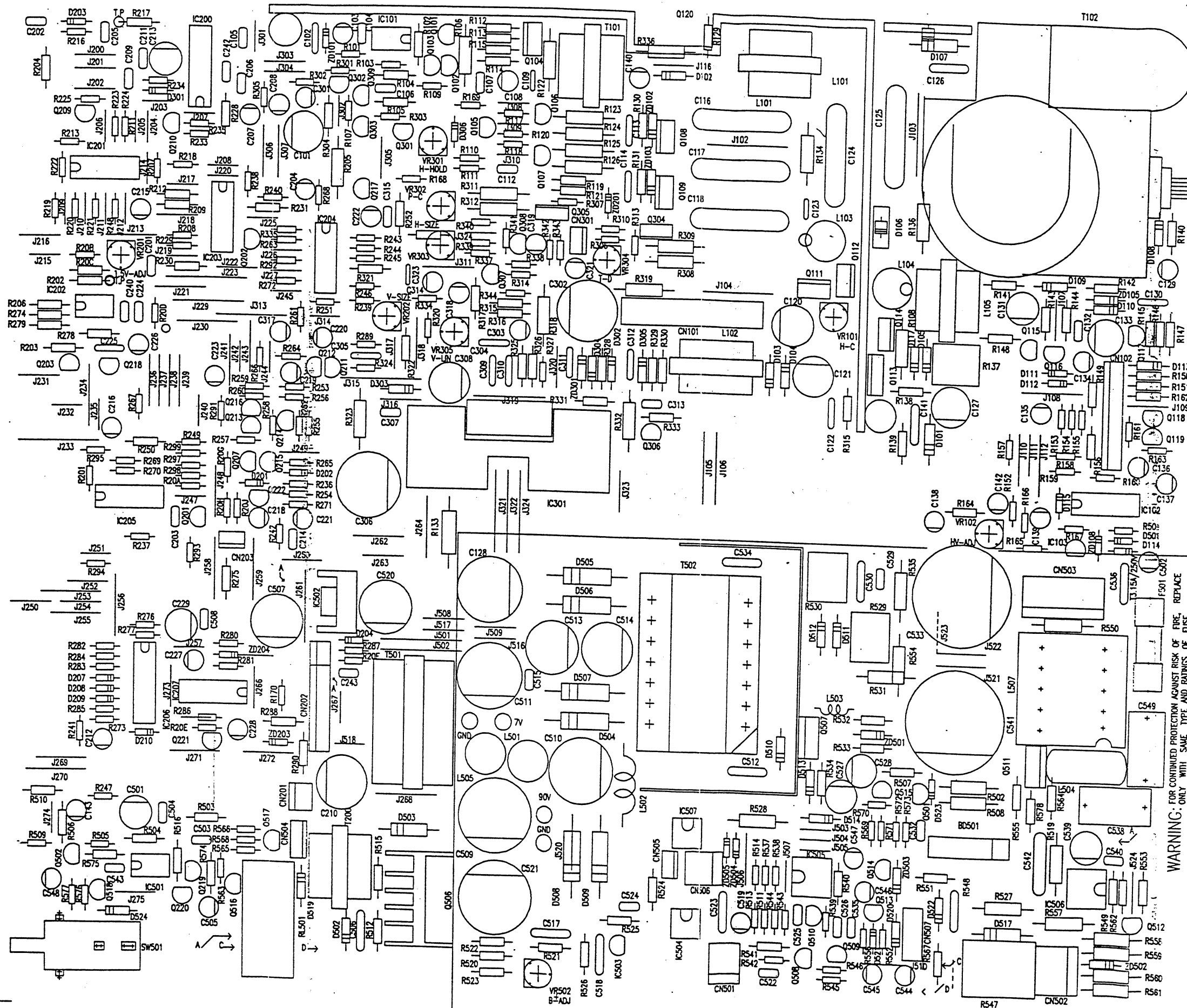




NOTE : CN709 FOR CA-1505/07/1717/19 ONLY
NOTE : CN704 FOR CA-1506/08/1718/10 ONLY

KUD FENG CORPORATION	
MODEL: CA-1505/06/07/08/CA-1710/17/18/19	
Title: LOGIC BOARD CIRCUIT	
Size: Document Number	REV: DR
Date: August 26, 2003	

CA-1505.1506.1507.1508 MAIN BD



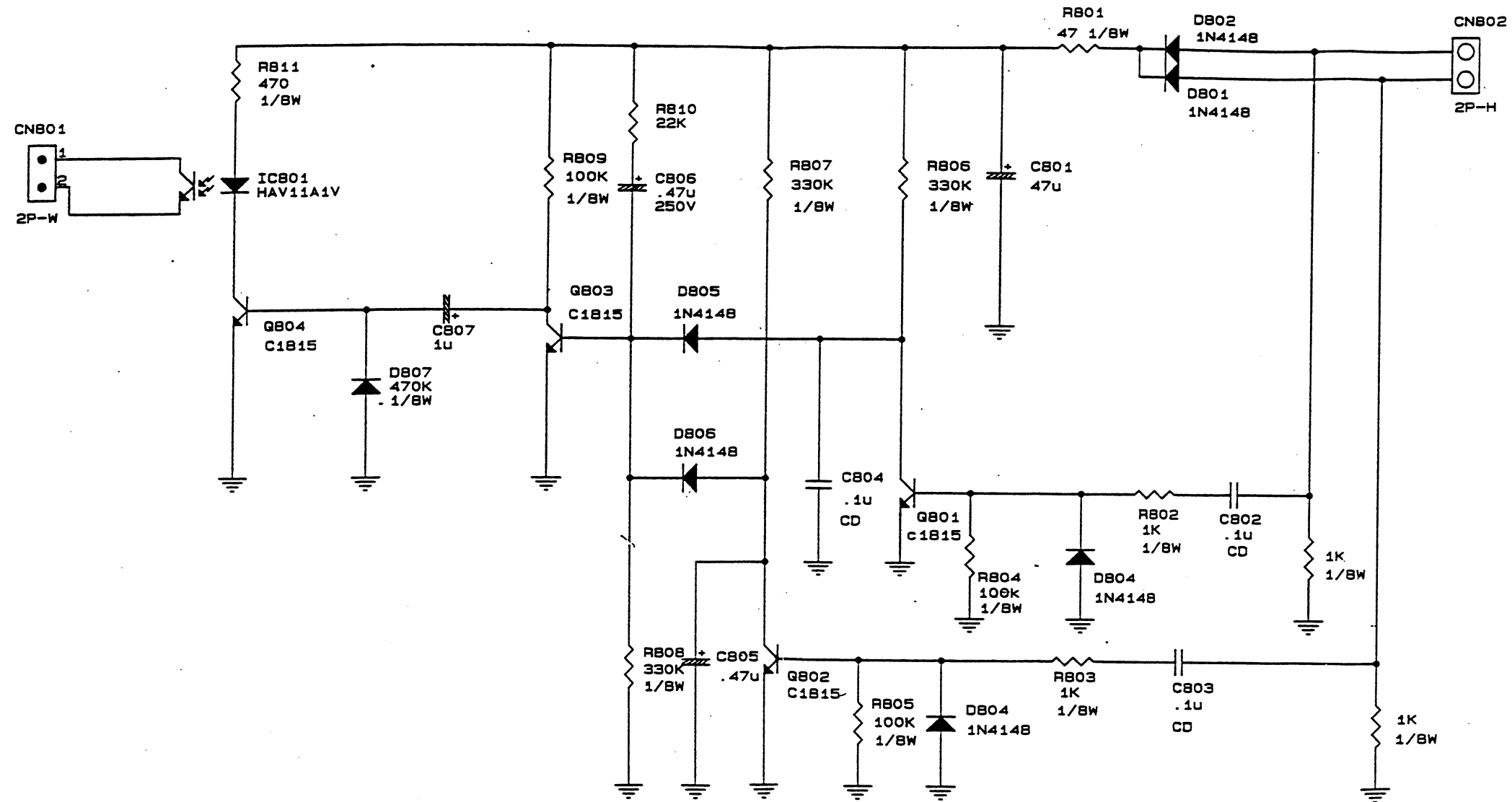
WARNING: FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE ONLY WITH SAME TYPE AND RATINGS OF FUSE.

NOTE: CA-1505/1506/1507/1508/1520/1717/1718/1720 ONLY

ECO-NO

208-058

208-073



KUO FENG CORPORATION

APP	CHK	DWG	MODEL:
經理 83.4.15 彭慶順	黃金發	黃金發	
Title			CONTROL BD CIRCUIT DRAWING
Size			Document Number
B			REV B
Date:			April 15, 1994 Sheet 1 of 1

